may be similar to example computer system 200. Particular embodiments may implement various functions of management system 102 as hardware, software, or a combination of hardware and software. As an example and not by way of limitation, one or more computer systems may execute particular logic or software to perform one or more steps of one or more processes described or illustrated with respect to management system 102. One or more of the computer systems may be unitary or distributed, spanning multiple computer systems or multiple datacenters, where appropriate. The present disclosure contemplates any suitable computer system. Herein, reference to logic may encompass software, and vice versa, where appropriate. Reference to software may encompass one or more computer programs, and vice versa, where appropriate. Reference to software may encompass data, instructions, or both, and vice versa, where appropriate. Similarly, reference to data may encompass instructions, and vice versa, where appropriate.

[0017] One or more tangible computer-readable media may store or otherwise embody software implementing particular embodiments. A tangible computer-readable medium may be any medium capable of carrying, communicating, containing, holding, maintaining, propagating, retaining, storing, transmitting, transporting, or otherwise embodying software, where appropriate. A tangible computer-readable medium may be a biological, chemical, electronic, electromagnetic, infrared, magnetic, optical, quantum, or other suitable medium or a combination of two or more such media, where appropriate. A tangible computer-readable medium may include one or more nanometer-scale components or otherwise embody nanometer-scale design or fabrication. Example tangible computer-readable media include, but are not limited to, application-specific integrated circuits (ASICs), compact discs (CDs), field-programmable gate arrays (FPGAs), floppy disks, floptical disks, hard disks, holographic storage devices, magnetic tape, caches, programmable logic devices (PLDs), random-access memory (RAM) devices, read-only memory (ROM) devices, semiconductor memory devices, and other suitable computer-readable media.

[0018] Software implementing particular embodiments may be written in any suitable programming language (which may be procedural or object oriented) or combination of programming languages, where appropriate. Any suitable type of computer system (such as a single- or multiple-processor computer system) or systems may execute software implementing particular embodiments, where appropriate. A general-purpose computer system may execute software implementing particular embodiments, where appropriate.

[0019] The components in FIG. 2 are examples only and do not limit the scope of use or functionality of any hardware, software, embedded logic component, or a combination of two or more such components implementing particular embodiments. Computer system 200 may have any suitable physical form, including but not limited to one or more integrated circuits (ICs), printed circuit boards (PCBs), mobile handheld devices (such as mobile telephones or PDAs), laptop or notebook computers, distributed computer systems, computing grids, or servers. Computer system 200 includes a display 232, one or more input devices 233 (which may, for example, include a keypad, a keyboard, a mouse, a stylus, etc.), one or more output devices 234 (which may, for example, include one or more speakers), one or more storage devices 235, and various tangible storage media 236.

[0020] Bus 240 connects a wide variety of subsystems. Herein, reference to a bus encompasses one or more digital signal lines serving a common function, where appropriate. Bus 240 may be any of several types of bus structures including a memory bus, a peripheral bus, or a local bus using any of a variety of bus architectures. As an example and not by way of limitation, such architectures include an Industry Standard Architecture (ISA) bus, an Enhanced ISA (EISA) bus, a Micro Channel Architecture (MCA) bus, a Video Electronics Standards Association local bus (VLB), a Peripheral Component Interconnect (PCI) bus, a PCI-Express (PCI-X) bus, and an Accelerated Graphics Port (AGP) bus.

[0021] Processor(s) 201 (or central processing unit(s) (CPU(s))) optionally contains a cache memory unit 202 for temporary local storage of instructions, data, or computer addresses. Processor(s) 201 are coupled to storage devices including memory 203. Memory 203 may include random access memory (RAM) 204 and read-only memory (ROM) 205. ROM 205 may act to communicate data and instructions unidirectionally to processor(s) 201, and RAM 704 may act to communicate data and instructions bidirectionally with processor(s) 201. ROM 205 and RAM 204 may include any suitable computer-readable media described below. Fixed storage 208 is connected bidirectionally to processor(s) 201, optionally through storage control unit 207. Fixed storage 208 provides additional data storage capacity and may also include any suitable computer-readable media described. Storage 208 may be used to store operating system 209, EXECs 210, data 211, application programs 212, and the like. Typically, storage 208 is a secondary storage medium (such as a hard disk) that is slower than primary storage. Information in storage 208 may, in appropriate cases, be incorporated as virtual memory in memory 203.

[0022] Processor(s) 201 is connected to multiple interfaces, such as graphics control 221, video interface 222, input interface 223, output interface 224, and storage interface 225. These interfaces are in turn connected to appropriate devices, as illustrated. In general, an input/output (I/O) device may be a video display, a track ball, a mouse, a keyboard, a microphone, a touch-sensitive display, a transducer card reader, a magnetic- or paper- tape reader, a tablet, a stylus, a voice or handwriting recognizer, a biometrics reader, another computer systems, or other suitable I/O device or a combination of two or more such I/O devices. Processor(s) 201 may connect to another computer system or to telecommunications network 230 (which may include network links 106 and 110) through network interface 220. With network interface 220, CPU **201** may communicate with network **230** in the course of performing one or more steps of one or more processes described or illustrated herein, according to particular needs. Moreover, one or more steps of one or more processes described or illustrated herein may execute solely at CPU 201. In addition or as an alternative, one or more steps of one or more processes described or illustrated herein may execute at multiple CPUs 201 that are remote from each other across network 230.

[0023] In particular embodiments, when computer system 200 is connected to network 230, computer system 200 may communicate with other devices, specifically remote computer system 104 and mobile device 108, connected to network 230. Communications to and from computer system 200 may be sent through network interface 220. For example, network interface 220 may receive incoming communications (such as requests or responses from other devices) in the